

C22

CAROL SERIES

MADE IN
ENGLAND



FEATURES

- + 1200 W (AES) power handling.
- + Equipped with six pieces of Fane neodymium drivers.
- + Integrated suspension system for horizontal and vertical use (linear).
- + Maximum sound pressure level 141 dB.
- + Enclosure constructed from void-free birch plywood.
- + Polyurea coating.
- + Greater sound pressure and longer transmission distance.
- + Strong penetrating power and full of dynamics.

APPLICATIONS

- + Flexible use for centralized sound reinforcement / distributed sound reinforcement/ large main sound reinforcement applications.
- + Main PA reinforcement in permanent installation, outdoor performance, nightclubs,
- + Bars and large auditoriums.



C-22

DUAL 12-INCH, THREE WAY LINE ARRAY SYSTEM

C-22 is a compact, high-performance three-way line array system designed for medium to large venues with high fidelity and high-definition requirements. Located centrally in the enclosure is the mid-range horn, driven by two high performance 8-inch neodymium transducers. The high frequency section consists of two 3-inch voice coil compression drivers married with a 10-degree vertical wave guide, mounted on the same axis as the mid-range section. Mid-low frequency section consists of two 12-inch long-throw, low distortion transducers delivering precise bass frequency with clarity and high impact.

Although the C-22 follows the traditional style for line source array the C-22 design has undergone many improvements over traditional style, with design focused on sound clarity and intelligibility. C-22 provides uniform coverage over a wide range of acoustic environments due to its precise acoustic design. The projection distance, coverage range and directivity parameters of the system are easily determined by the number of speakers used in one line or by the height of the line is flown.

C-22 has a directivity of horizontal coverage 80° and a vertical coverage of 10° that can be adjusted to suit the needs of the application. Thanks to the extraordinary features of Fane Pro Audio C-22 delivers unrivaled audio integrity, unique near-field clarity and powerful long-distance projection,



it's seamless integration with the C-28 sub system delivers extraordinarily powerful low-frequency impact. Delivering a unique auditory enjoyment to the audience.

C-22 utilizes a quick release flying system with an innovative logarithmic angle adjustment mechanism to ensure that the line delivers precise and accurate flex and projection angles with all methods of flying. The compact size, light weight, and a stable flying system makes C-22 makes it the chose for professional in large-scale outdoor events, theaters and stadiums. C-22 can also be installed in a distributed manner if the installation conditions are limited.

Power Handling (AES)	1200 W (AES)
Program	2400 W
Peak	4800 W
Nominal Impedance	LF: 8 Ω, MF/HF: 8 Ω
Average Sensitivity	MF/HF: 114 dB, LF: 105 dB / 2.83V/ 1m
Calculated Maximum SPL / 1m	132 dB (continuous) 135 dB (program) 138 dB (peak)
Frequency Response (-6dB)	80 Hz - 19 kHz
Manufacturing Consistency	90 Hz - 18 kHz (±3 dB)
Nominal Directivity (-6dB)	80° x 10° (adjustable)
Recommended Amplifier	LF: 800 W 8Ω, MF/HF: 400 W 8Ω (no clip) in specified frequency response
Recommended Low Cut	85 Hz, 18 dB/ oct Butterworth
Crossover	Passive / Active
Low Frequency Driver	Dual, Fane transducers, 8Ω impedance, 12" (250mm) diameter, neodymium magnet, 3" high temperature voice coil on glass fiber former
Mid Frequency Driver	Dual, Fane transducers, 8 Ω impedance 8" (200 mm) diameter, neodymium magnet, high-temperature voice coil on 2" glass fibre former
High Frequency Driver	Dual, Fane neodymium compression drivers

Flying Hardware	3 point flying system
Connectors	2 Neutrik Speakon NL8MP
Connection Mode	1± LF / 2± MF / 3± HF
Cabinet	CNC made with tongue and groove assembly, 18 mm and 24 mm exterior grade, void-free, birch plywood
Finish	Proprietary HardTex, sand based paint with matt black topcoat finish
Cabinet Size (HxWxD)	323 x 1082 x 580 mm
Shipping Carton Size (HxWxD)	420 x 1185 x 676 mm
Weight	39.8 kg net 43 kg gross

